| Index of Claims         | Арр  | licatio | on No.       |  | Applicant(s)    |          |  |  |  |  |  |  |
|-------------------------|------|---------|--------------|--|-----------------|----------|--|--|--|--|--|--|
|                         |      | 691,6°  |              |  | WILLIAMS ET AL. |          |  |  |  |  |  |  |
|                         | Exa  | miner   |              |  |                 | Art Unit |  |  |  |  |  |  |
|                         | Erik | a Ga    | rrett        |  |                 | 3636     |  |  |  |  |  |  |
|                         |      |         |              |  |                 |          |  |  |  |  |  |  |
| √ Rejected – (Through n |      | N       | Non-Elected  |  | Α               | Appeal   |  |  |  |  |  |  |
| = Allowed + Restric     | ted  | -       | Interference |  | 0               | Objected |  |  |  |  |  |  |

| CI    | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |              |          | )        | Claim Date                                       |  |  |          |  |          | ٠. :   | _            | laim      | Deta           |          |          |          |          |          |          |           |                    |  |            |                 |          |          |          |          |          |          |          |   |
|-------|---|--------------|----------|----------|--|--|--|----------|--|----------|--------|--------------|-----------|----------------|----------|----------|----------|----------|----------|----------|-----------|--------------------|--|------------|-----------------|----------|----------|----------|----------|----------|----------|----------|---|
|       | T                                       | -            |          |          | <del>_</del>                                     | Jal  | Ť  | 1        |  |          |        | U16          |           | Date :         |          |          |          |          |          |          |           | <b>∤</b> :         | ├-   | 1          | Date            |          |          |          |          |          |          |          |   |
| Final | Original                                | 11/22/04     |          |          |  |  |  |          |  |          |        | Final        | Original  | 11/22/04       |          |          |          |          |          |          |           |                    | Final  | Original   |                 |          |          |          |          |          |          |          |   |
|       | 1                                       |              |          |          | $\vdash$   | $\vdash$   | 1  | $\vdash$ | -  |          |        |              | 51        | -              | H        | _        |          | 7        | $\top$   | _        | 1         | 1 !!               | $\vdash$   | 101        | H               | 7        | $\neg$   |          |          | $\dashv$ | T        | $\neg$   | _ |
|       |   | ١.           |          |          | $\vdash$   | $\vdash$   | 1  | T        |  | $\vdash$ |        |              | 52        | ١.             | П        | _        | _        | 7        | _        | -        | $\dagger$ | 1                  |  | 102        | $\Box$          | _        | _        |          |          | $\Box$   | 寸        | $\neg$   | _ |
|       |   | -            |          |          | Г  |  |  | T        | $\vdash$   |          | : :-   |              | 53        | -              |          |          |          |          | ┪        | $\dashv$ | †         | 1:::               |  | 103        | $\Box$          | 寸        |          |          |          | $\Box$   | 寸        |          | _ |
|       | _                                       | ١-           | П        |          |  | $\vdash$   | $\vdash$   | T        | $\vdash$   | $\vdash$ |        |              | 54        | -              | $\vdash$ |          | $\dashv$ | _        | 1        |          | +         | 1                  | $\vdash$   | 104        | $\vdash$        | ヿ        |          |          |          | $\neg$   | 寸        | $\neg$   | _ |
|       |   | -            |          |          |  | $\vdash$   | T  | 1        | $\vdash$   | Т        | ·      |              | 55        | -              | $\vdash$ | _        | _        | _        | 十        | ┪        | †         | 1                  | $\vdash$   | 105        | $\vdash$        | 寸        | $\dashv$ |          |          | $\dashv$ | 寸        | $\neg$   | _ |
|       |   | ١.           |          |          |  | <u> </u>   | 1  | 1        |  | <b>-</b> |        |              | 56        | -              | H        |          | $\dashv$ |          | +        |          | $\dagger$ | 1.                 | $\vdash$   | 106        | Н               | 寸        | $\neg$   | $\neg$   | $\neg$   | $\dashv$ | ヿ        |          | _ |
|       |   | _            |          |          |  |  | 1  | 1        | İТ   | $\vdash$ |        |              | 57        | -              | П        |          | 寸        | _        | $\top$   | $\top$   | T         | ļ. · ·             | $\vdash$   | 107        | Н               | _        | $\neg$   |          |          | $\dashv$ | _        | $\dashv$ | _ |
|       |   | <b>†</b> -   |          |          |  | $\vdash$   | $\vdash$   | 1        | <del>                                     </del> | H        |        |              | 58        | Ι-             |          |          | $\dashv$ | 7        | 十        | $\vdash$ | ✝         | 1                  | <del>                                     </del> | 108        |                 | 一        | $\neg$   |          |          | $\vdash$ | $\neg$   | 一        | _ |
|       |   | ١.           | -        | _        |  | <u> </u>   | T  | T        | 1  | _        |        |              | 59        | V              | $\vdash$ |          | $\dashv$ | _        | $\top$   |          | İΤ        | 1                  | <del> </del>                                     | 109        |                 | 寸        | $\neg$   | $\neg$   |          | $\vdash$ | $\dashv$ | $\neg$   | _ |
|       |   | +            |          |          |  |  |  | T        | Н  |          |        |              | 60        | 1              |          |          | $\dashv$ | 1        | $\top$   | +        | $\dagger$ | 1                  | <u> </u>   | 110        | $\vdash$        | 7        | $\neg$   |          |          | $\neg$   | $\dashv$ | $\neg$   | _ |
|       |   | -            |          |          | $\vdash$   |  | $\vdash$   |          |  | $\vdash$ |        |              | 61        | Ť              |          |          | $\dashv$ |          | +        | +        | +         | 1: ::              | $\vdash$   | 111        | $\vdash$        | -        | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | _ |
|       |   | -            | Н        | Н        | $\vdash$   | $\vdash$   | $\vdash$   | T        | $\vdash$   | $\vdash$ |        |              | 62        | 1              |          | $\neg$   | -        | -        | 十        | +        | $\top$    | 1:"                | <del>                                     </del> | 112        | $\vdash$        | $\dashv$ | $\dashv$ | $\vdash$ | $\vdash$ | -        | $\dashv$ | $\dashv$ | _ |
| _     |   |              | $\vdash$ | $\vdash$ | Ι  | <del>                                     </del> | <del>                                     </del> | †        |  | $\vdash$ | :      |              | 63        | V              |          | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +         | 1                  | $\vdash$   | 113        | $\vdash$        | ᅥ        | -        | -        |          | $\neg$   | $\dashv$ | $\dashv$ | _ |
|       |   | -            | -        |          | -  | $\vdash$   | 1  | $\vdash$ | -  | -        | 3.4    |              | 64        | 1              |          |          | -        | +        | +        | +        | +         | †:::               | $\vdash$   | 114        | $\vdash \vdash$ | $\dashv$ |          | -        | $\dashv$ | $\dashv$ | -        | -        | _ |
|       |   | -            |          | $\vdash$ | <del>                                     </del> | $\vdash$   | H  | +        |  | -        |        |              | 65        | V              | $\vdash$ | -        | -+       | - †      | +        | +        | +         | 1:::               | $\vdash$   | 115        | H               | -        | $\dashv$ | $\vdash$ | $\vdash$ | $\dashv$ |          | $\dashv$ | _ |
| -     |   | -            | $\vdash$ |          | $\vdash$   | H  | t  | $\vdash$ |  | $\vdash$ |        |              | 66        | 1              | Н        |          |          | +        | 十        | +        | +         | 1                  | $\vdash$   | 116        | $\vdash$        | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _ |
|       |   | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$   | H  | F  | +        | $\vdash$   | $\vdash$ |        |              | 67        | 1              |          | $\vdash$ | -        | $\dashv$ | +        | +        | +         |                    | $\vdash$   | 117        | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _ |
|       |   | -            | -        | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | +        | $\vdash$   | $\vdash$ |        |              | 68        | 1              |          | $\vdash$ | $\dashv$ | $\dashv$ | +        | +-       | +         | 1                  | <del> </del>                                     | 118        | $\vdash$        | $\dashv$ |          | -        |          | -        | $\dashv$ | $\dashv$ | _ |
|       |   | -            | -        | -        |  | ╁╌   | <del>  -  </del>                                 | 1-       | -  | ┝        | :<br>: |              | 69        | V              | $\vdash$ | -        | -        | $\dashv$ | +        | - -      | +-        |                    | ├─   | 119        | Н               | -        |          |          |          | $\vdash$ | -        | -        | - |
|       |   | ├            | -        | -        | ┝  |  |  | ┼╌       | ├  | ┝        |        | -            | 70        | 1              | $\vdash$ | _        | -        | $\dashv$ | +        | - -      | +         |                    | $\vdash$   | 120        | Н               | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\vdash$ | -        | -        | _ |
|       |   |              | $\vdash$ | $\vdash$ | ├  | ├  | -  | ╁╌       | ├  | ├        |        |              | 71        | <del>  `</del> | $\vdash$ | -        | $\dashv$ |          | +        | +        | +         | 1:::               | $\vdash$   | 121        | Н               | _        | $\dashv$ | =        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _ |
|       |   | -            | $\vdash$ | $\vdash$ | ⊢  | $\vdash$   | -  | ╁╾       | $\vdash$   | $\vdash$ |        |              | 72        | ├              | $\vdash$ |          | -        |          | +        | +        | +-        | <del> </del> :::.: | -  | 122        | H               | -        | $\dashv$ |          | -        | $\vdash$ | $\dashv$ | -        | _ |
|       |   |              | -        | $\vdash$ | $\vdash$   | ╁  | 1  | +        | $\vdash$   | $\vdash$ |        |              | 73        | $\vdash$       | $\vdash$ |          | $\dashv$ | +        | +        | -        | +         | 1                  | _  | 123        | Н               | -        | ᅱ        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _ |
|       |   |              |          |          | ┝一   | ╁  | $\vdash$   | +        | $\vdash$   | $\vdash$ |        |              | 74        | $\vdash$       | Н        |          | $\dashv$ | $\dashv$ | +        | +        | +         | <b>∤</b> ∷ i       |  | 124        |                 |          | $\dashv$ | -        | -        | $\vdash$ |          |          | _ |
|       |   |              | $\vdash$ | $\vdash$ | ┝╌   | ├  |  | ┼        | -  |          |        |              | 75        | ┝              | $\vdash$ | -        |          | +        | +        | ╅        | ╁         | 1:.:               | _  | 125        | Н               | $\dashv$ | $\dashv$ |          | $\neg$   | $\neg$   | -        | -        | _ |
|       |   |              | -        | $\vdash$ | $\vdash$   | $\vdash$   | -  | ╁        | $\vdash$   | $\vdash$ |        |              | 76        | $\vdash$       | $\vdash$ | -        | $\dashv$ | $\dashv$ | +        | -        | ┿         | 1                  |  | 126        | $\vdash$        | $\dashv$ | $\dashv$ | -        | -        | $\dashv$ | $\dashv$ | -        | - |
|       |   | +            | -        | ┢─       | ├─   | $\vdash$   | <del>                                     </del> | +        | $\vdash$   | $\vdash$ | ŀ      |              | 77        | ┢              | H        | -        | $\dashv$ | $\dashv$ | +        | +-       | +         | 1                  | ┝  | 127        | -               | $\dashv$ |          | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | _ |
|       | -                                       | ├            | ┝        | $\vdash$ |  | ╁  | ╁  | +        | $\vdash$   | <u> </u> |        |              | 78        | ╁              | $\vdash$ | -        | $\dashv$ | +        | +        | +        | ┿         | 1 ::               |  | 128        | Н               | -        |          |          |          | Н        |          |          | _ |
|       |   | -            | -        |          | -  |  | $\vdash$   | $\vdash$ | $\vdash$   | -        |        |              | 79        | ╁─             | $\vdash$ | -        | -        | $\dashv$ | +        | +        | ╁╌        | 1                  | _  | 129        | Н               | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | $\dashv$ | $\dashv$ | _ |
|       |   | -            | -        | Η,       | $\vdash$   |  | ╁  | ╁        | -  |          |        |              | 80        | -              | $\vdash$ |          |          | -+       | +        | +        | +         | ╬                  |  | 130        | -               | $\dashv$ | $\dashv$ |          |          | $\Box$   | ᅱ        | $\dashv$ | _ |
|       |   | -            | H        | Н        | $\vdash$   | -  | +  | ╁        | -  | -        |        |              | 81        | ╌              | -        |          | -        | $\dashv$ | +        | +        | +         | <del> </del>       |  | 131        | Н               | $\dashv$ |          | -        | -        | $\dashv$ |          | -        | _ |
|       |   | -            | $\vdash$ | H        | ┢  |  | -  | ╌        | ├  | -        |        |              | 82        | ├              | -        |          |          | $\dashv$ | +        |          | ╁         | 1:::               |  | 132        | Н               | -        | $\dashv$ | -        | -        |          | -        | -        | _ |
|       |   | -            | $\vdash$ |          | -  | -  | -  | 1-       | -  | -        | ŀ      |              | 83        | ├              | -        |          | -        | +        | ┿        |          | ╁╴        | <b>∤</b> ∴         |  | 133        | H               | -        |          |          | -        |          | $\dashv$ | $\dashv$ | _ |
|       |   | -            | $\vdash$ | H        | $\vdash$   |  | $\vdash$   | $\vdash$ | -  |          |        |              | 84        |                | $\vdash$ | -        | -        | -+       | +        | +        | +         | <b>∤</b> ∷         | —  | 134        | $\vdash \vdash$ | $\dashv$ | _ |
|       |   | -            |          | $\vdash$ | $\vdash$   | -  | +-   | +-       | -  | $\vdash$ |        |              | 85        | $\vdash$       | Н        | $\vdash$ | $\dashv$ | $\dashv$ | +        | +-       | +         |                    | <del> </del>                                     | 135        | $\vdash \vdash$ | $\dashv$ | _ |
|       |   | -            | -        | -        | -  | $\vdash$   | +-   | ╁        | -  | $\vdash$ |        |              | 86        | $\vdash$       | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | +        | +        | +-        | 1 :                | <u> </u>   | 136        | Н               |          |          | -        | $\dashv$ | $\dashv$ | -        | -        | _ |
|       |   | <del> </del> |          |          | $\vdash$   | $\vdash$   | +  | $\vdash$ | $\vdash$   | ├─       | ·      |              | 87        | 1-             | $\vdash$ | -        | $\dashv$ | $\dashv$ | +        | +        | +         | 1                  |  | 137        | $\vdash$        | $\dashv$ | $\dashv$ | -        |          | $\dashv$ | $\dashv$ |          | _ |
|       |   | -            |          |          | $\vdash$   | -  | $\vdash$   | +        | $\vdash$   | ├─       |        |              | 88        | -              | ┯        | -        |          | $\dashv$ | +        | +        | +         | 1                  | $\vdash$   | 138        | $\vdash$        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | _ |
|       |   | -            | $\vdash$ | -        | $\vdash$   | $\vdash$   | ├  | $\vdash$ | $\vdash$   | -        | -      |              | 89        | $\vdash$       | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | ╁         | 1                  | $\vdash$   | 138        | Н               | +        |          | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | _ |
|       |   | -            | $\vdash$ |          | -  | $\vdash$   | ┼  | +-       |  | $\vdash$ |        |              | 90        | -              | $\vdash$ |          | $\dashv$ | $\dashv$ | +        | +-       | +         | 100                | ├  | 140        | $\vdash \vdash$ |          |          | $\vdash$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | - |
|       |   | -            | $\vdash$ |          |  | -  | $\vdash$   | ┰        | $\vdash$   | $\vdash$ |        |              | 91        | -              | $\vdash$ |          | -        | +        | +        | +        | +-        | 1:::               | $\vdash$   | 140        | $\vdash$        | -        | $\dashv$ | $\vdash$ |          | -1       |          | $\dashv$ | _ |
|       |   | ╌            | $\vdash$ | $\vdash$ | $\vdash$   | <del> </del>                                     | ├-   | $\vdash$ | $\vdash$   | <u> </u> | . :    |              | 92        | -              | -        |          | $\dashv$ |          | +        | +        | +         | -                  | $\vdash$   | 141        | $\vdash$        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ | -        | _ |
|       |   | -            | $\vdash$ | -        | ⊢  | $\vdash$   | +  | +-       |  | ├—       |        | <del> </del> | 93        | $\vdash$       | $\vdash$ | -        | $\dashv$ | $\dashv$ | +        | +        | +-        | <b>-</b>           | ├  | 142        | $\vdash$        |          | -        | $\dashv$ | -        | -        | -        | -        | _ |
|       | 43                                      | ŀ            | -        |          | ⊢  | ├  | $\vdash$   | $\vdash$ | ₩  | _        |        |              | 94        | ├              | $\vdash$ | $\dashv$ |          | $\dashv$ | +        | +        | +-        | 100                | <del> </del>                                     | 143        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ |          |          | -        | -        | _ |
|       | 44                                      | Ŀ            | Н        | Н        | $\vdash$   | $\vdash$   | +-   | ├        | $\vdash$   | -        |        | <b></b>      |           | $\vdash$       | $\vdash$ | $\dashv$ | -        | -        | - -      | +-       | +         | <b> </b>           | $\vdash$   | 144        | $\vdash \vdash$ | -        |          |          |          |          | $\dashv$ | _        | _ |
|       | 45                                      | ŀ            | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | ┼        | ├  | <u> </u> |        |              | 95        | $\vdash$       | $\vdash$ | -        | $\dashv$ |          |          | - -      | +         | ł                  | —  | 145        | $\vdash \vdash$ |          | -        | $\vdash$ |          |          |          |          | _ |
|       | 46                                      | -            | $\vdash$ | -        | <u> </u>   | <b>—</b>   | ₩  | $\vdash$ | $\vdash$   | _        |        | <u> </u>     | 96        | $\vdash$       | $\vdash$ |          | $\dashv$ | $\dashv$ | +        | +        | +-        | -                  | <u> </u>   | 146        | $\vdash \vdash$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | 4        | _ |
|       | 47                                      | ŀ            | $\vdash$ | Н        |  | ├-   | ┼  | ┼—       | $\vdash$   |          | ŀ      |              | 97        | -              | $\vdash$ | -        | -        |          |          | +        | +         | {∷:                |  | 147        | $\vdash \vdash$ | -        |          | -        | -        |          | -        | _        | _ |
|       | 48                                      | ŀ÷           | Н        | $\vdash$ | $\vdash$   | ⊢  | ₽  | ┼-       | -  | ├-       |        | ļ.,          | 98        | $\vdash$       | Н        | -        | $\dashv$ |          | +        | +        | ╁         |                    | <u> </u>   | 148        | $\vdash \vdash$ | $\dashv$ |          | -1       |          |          |          | _        | _ |
| _     | 49<br>50                                | ŀ            | $\vdash$ |          | -  | $\vdash$   | ┼  | ┼        | <del>  -</del>                                   | $\vdash$ |        |              | 99<br>100 | $\vdash$       | $\vdash$ | -        | $\dashv$ | $\dashv$ | +        | - -      | +         | ┨                  | _  | 149<br>150 | $\vdash \vdash$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ |          |          | - |
|       | i DU                                    | ۱-           | ıl       | ı i      |  | 1  | 1  | 1        | 1  |          |        |              | 100       | ı              |          |          | - 1      | - 1      | - 1      | - 1      | 1         | 1 :                | l  | 1 150      |                 | - 1      | ı        |          |          | , 1      | - 1      |          |   |